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1959

## Faulkner, Frank D., Vita, Engineer's Council for Professional Development

Faulkner, Frank D.

Monterey, California, Naval Postgraduate School

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1. Frank D. Faulkner
2. Mathematics and Mechanics
3. 44
4. Professor
5. B. S., Kansas State Teachers College, Mathematics and Education  
M. S., Kansas State College, Mathematics, minor in Physics.  
All work for Ph. D. in Mathematics completed at Univ. of Michigan except dissertation.
6. Nine years
7. Instructor, Univ. of Michigan, 1943-4  
Instructor, Kansas State College, 1<sup>st</sup> semester 1940-1  
" " " " 1941-2
8. Univ. of Michigan, Engineering Research Inst. 1946-50  
The Applied Physics Laboratory, Johns Hopkins Univ. 1944-46  
U. S. Rubber Co., 1942-3
9. Boeing Airplane Co., 1956
10. Boeing Airplane Co., 1956 to present, on problems associated with missile guidance and control  
Stanford Research Inst., 1955, Computational problem.
11. Some results from direct methods applied to optimum rocket trajectories, Proc. LX<sup>th</sup> International Astronautical Congress, Amsterdam 1958  
Problem of Goddard and optimum thrust programming, Proc. 3<sup>rd</sup> Annual Meeting, Amer. Astronautical Soc., New York, 1956  
Shock produced by a spherical piston of radius  $a(t)$ , J. of Applied Physics, 27, No. 11, 1345-1351, Nov. 1956, with G. Evans II, C. Perry and B. Lockhart.  
A degenerate problem of Bolza, Proc. American Math. Soc., 6, 652f, 1955
12. American Math. Society  
American Rocket Society (member)  
American Astronautical Society (Associate fellow, member of editorial board)  
Sigma Xi (member)
13. Ma 120 In troductory vector analysis, matrix theory and solid analytic geometry 2 sections, 4 hrs/wk each.  
Ma 131:Ma120 plus introductory advanced calculus--series, multiple integrals, etc. 1 section, 7 hrs/wk.  
Total 15 hrs/wk.

Second term last year. Mc 403, Kinematics of Guidance  
The mathematical and kinematical theory of various problems in measurement, guidance and control of missiles

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Three sections, three hours/week, Total 9 hrs./wk

Third and fourth terms last year. On sabbatical leave,  
at the University of Michigan, working on dissertation.

14. Faculty Associate for Guided Missile Curriculum..  
two hours per week, estimated.